

• COLORADO RIVER • AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT



OF SOUTHERN CALIFORNIA

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Chamber of Commerce Hears Chairman Jensen

Joseph Jensen, Chairman of the Board of Directors of the Metropolitan Water District was a featured speaker at the November 4 meeting of the Water and Power Committee of the Los Angeles Chamber of Commerce. Excerpts from Mr. Jensen's remarks follow:

"Water sells for two and one half to five cents per ton as it is bought through a water meter. Crude oil sells for one cent per pound, or twenty dollars per ton.

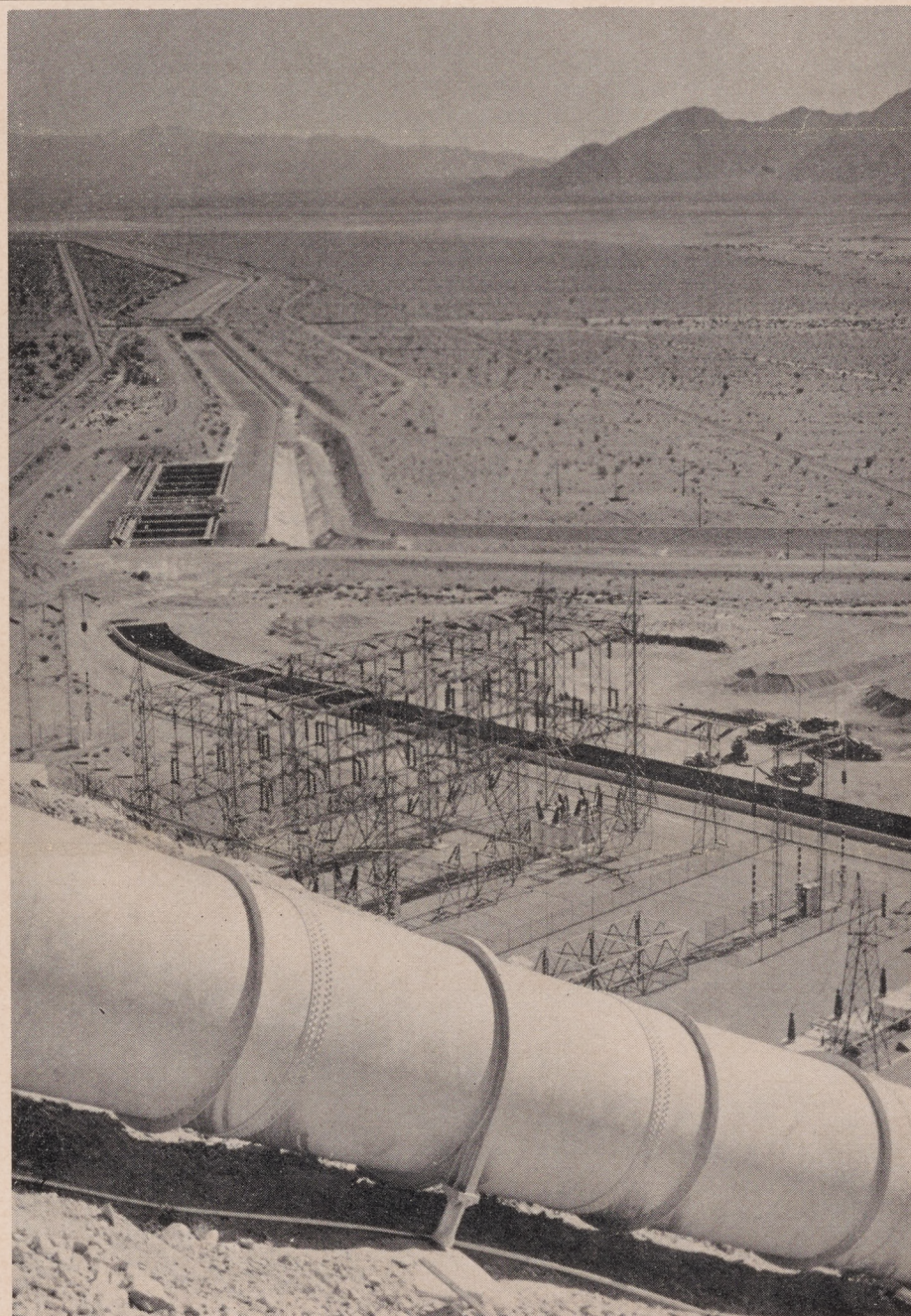
"Next to the air we breathe, the water we drink is the most important thing in our lives, despite the prices which I have just quoted above. This community has been fortunate in the leadership and the public support which that leadership has given in providing water for the future.

"Our business activity which forty years ago was essentially agricultural has given way to industry, so much so that the Los Angeles and Orange County area, known as the Los Angeles Metropolitan Area, now ranks third in the United States, behind New York and Chicago, but out in front of Detroit, Philadelphia, Pittsburgh, Cleveland and Boston. The value of Los Angeles products manufactured in the Los Angeles Metropolitan Area is more than double that of the metropolitan area of St. Louis and San Francisco.

"Agriculture is still an important industry. The annual value of our agricultural products is more than half a billion dollars, but the value each year of our industrial products, excluding agricultural and also new homes and other structures erected in this area, is now over four billion dollars. The construction industry in 1955 will create another three billion dollars of homes, buildings, and factories.

"At the turn of the century there were about 300,000 people in the five Southern counties of California. At the present time it is estimated there are 6,677,000 people in this same area. This represents more

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An unusual view taken at Hayfield Pumping Plant shows the initial delivery line in the foreground, the 230,000 volt switch yard in the middle and the aqueduct and sand trap in the background. Picture was taken from on top of the new pipeline now under construction, which will bring additional Colorado River water to the coastal plain of Southern California.

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Chairman Jensen

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than a twenty-fold increase. Growth has been particularly rapid since 1940. From 1950 to 1955, the growth has been at the rate of 260,000 people per year.

"Growth may not continue at this rate, but if any of the trends of growth of the past are a moderate index of the future, it has been estimated that by 1975 to 1980 there could be approximately 10,000,000 people in the five southern counties of California, namely, Los Angeles, Orange, Riverside, San Bernardino and San Diego.

"The advent of Colorado River water in certain regions which have a deficiency of water, such as Riverside and San Diego counties, may result in an expansion of use for agriculture. The use of water by this expansion will be much less than the shrinkage due to industry and homes being built on agricultural land. While it will be difficult to estimate how much water will thus be released, it will be substantial, so that it is safe to state that the use of water for agriculture is now declining.

"At present the Metropolitan Water District embraces 2,830 square miles, with a population of more than 6,000,000 people. Its assessed valuation is \$8,700,000,000. Eventually the population of The Metropolitan Water District of Southern California will be about half the population of the State of California, while its assessed valuation, even now, is almost half the assessed valuation of the State.

"If we consider that the \$180,000,000 spent in the depression period of the 30's represents \$360,000,000 in terms of present purchasing power, we will eventually have built a project worth more than \$1,000,000,000 in today's money. Do not forget, however, that whether you think \$766,000,000 or \$1,000,000,000, we still have to pay \$535,000,00 before our Colorado River distribution system will be paid for. We will be paying the bill over the next thirty years. In addition, all mem-

Noah Dietrich Joins Board of Directors



Director Noah Dietrich

Noah Dietrich, an associate of Howard R. Hughes in the Hughes Tool Company, Trans World Airlines, Inc., Hughes Aircraft Company and the Gulf Brewing Company, was sworn in as a Los Angeles representative on the Metropolitan Water District Board of Directors on November 8. He succeeds Director D. W. Pontius, who passed away September 3.

Mr. Dietrich was born in Batavia, Wisconsin on February 28, 1889 and graduated from school in Janesville, Wisconsin. From 1907 to 1911 he was a bank teller and cashier.

After working in a number of capacities, in 1925 Mr. Dietrich became an executive of the Hughes Tool Company where he is still affiliated.

He also is a Director of the Gulf Brewing Company, Trans World Airlines, Inc., Loma Uranium Corporation and the National Bank of Commerce of Houston, Texas. He is also a member of the Advisory Council of the University of Notre Dame and formerly was a regent, Houston University, and Regional Vice President of the National Association of Manufacturers.

Following World War II he served as a member of the President's Emergency Council on Labor and Management.

members of the Metropolitan Water District must pay for the water which they use. With our aqueduct deliveries of water to its full capacity the year round, the water will cost at wholesale to our member areas somewhere between \$15,000,000 and \$20,000,000 a year. To this must be added the cost of distributing this water to the individual consumers."

For the RECORD

(The following items are noted from the report of General Manager and Chief Engineer Robert B. Diemer, filed November 1955, covering District operations for October 1955.)

Colorado River—The water level in Lake Mead dropped 3.39 feet during October to elevation 1095.11 feet and the usable storage decreased 320,000 acre-feet to 11,770,000. The average rate of discharge for the month at Hoover and Parker dams was 8124 and 8252 cubic feet per second, respectively, as compared with 10,400 and 11,700 during September. The water surface of Lake Havasu varied from 448.3 to 447.5 in elevation.

Power and Pumping—Pumping at Hayfield was continuous on a 3-pump basis except for 8 minutes on October 10 when all three pumps were off the line due to trouble on the Edison system. A total of 35,453 acre-feet of water was pumped. Peak delivery to and from Edison Company was 99,000 and 80,000 kw, respectively. Peak delivery to the Parker system was 18,000 kw.

Weymouth Softening and Filtration Plant—Colorado River water was softened from 349 to 125 parts per million at an average rate of 182 cubic feet per second. Daily rate of flow varied from 147 to 220 cfs. Total volume of water treated during the month was 10,991 acre-feet.

Construction—On the middle cross-feeder trench excavation and laying of pipe continued with 1319 feet of pipe laid for a total to date of 4,315 feet. On the lower feeder, Corona through the Santa Ana River Canyon crossing, the contract is 80 percent complete; from Santa Ana River Canyon to San Juan tunnel the contract is 97 percent complete. On the Santiago lateral, 1723 lineal feet of 48-inch pipe and 818 lineal feet of 60-inch pipe was laid. On the San Juan tunnel contract work is 99 percent complete.

On pumping plant expansion: Installation of pump units 4 and 5—installation of the synchronous motors was completed at Intake plant; at Gene plant installation of the temperature indicating instruments was completed, with work at this plant 89 percent complete; at Iron Mountain plant, installation is 74 percent complete; at Eagle Mountain plant, 32 percent complete; Hayfield, 29 percent complete. On the pump delivery lines, progress is as follows: Intake plant, 98 percent complete; Gene, 95 percent complete; Iron Mountain plant, 90 percent complete; Eagle Mountain plant, 19 percent complete; Hayfield, 28 percent complete.

Purchasing—A total of \$53,705 was expended.



Miriam Taylor, seated, is given a fine send-off by her fellow employees as she leaves the District. She was presented with two place settings of silver by District employees at the time of her leaving. Left to right are Edward Clarke, Estelle Quick, A. W. McKinlay, Jean Hill, William Dow, Miriam Beamer and George Adams.

Miriam Taylor Leaves District

Miriam Taylor, Assistant Controller, resigned from the District on November 16 after more than 25 years of service. She will be married in December to Dr. J. Antrim Crellin and will make her home at the Penn Sherwood, 3900 Chestnut Street, Philadelphia, Pennsylvania.

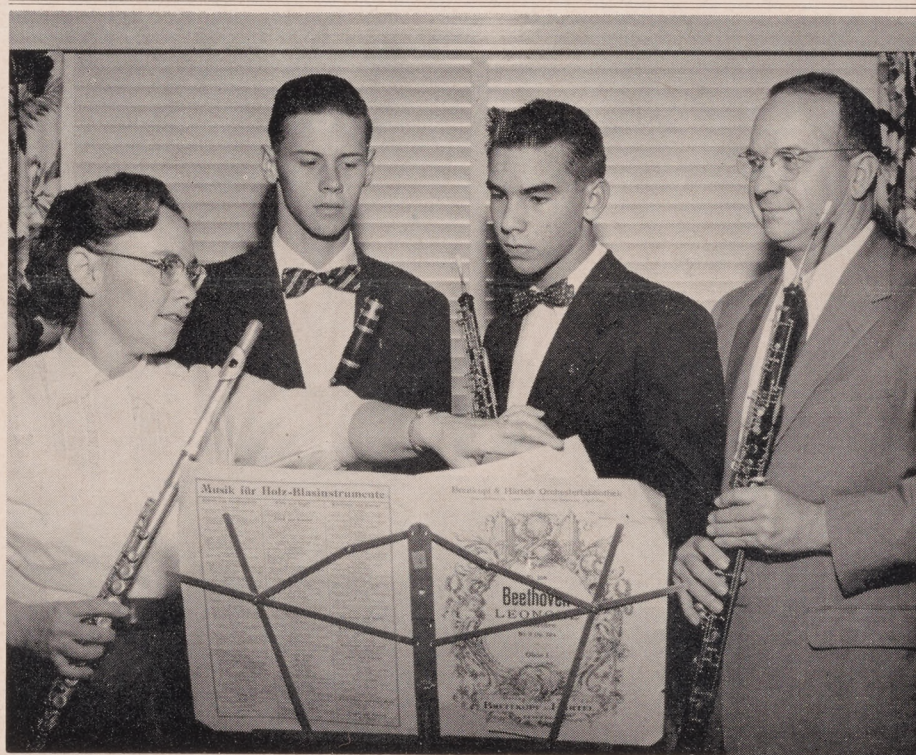
On her last day with the District, a party in her honor was held in the District Board of Directors' room. Controller A. W. McKinlay, on behalf of District employees, presented Miriam with two place settings of fine silverware. Coffee and cake were served.

Miriam came to work for the District as a stenographer in May, 1930 in the office of the Executive Secretary of the Board. She later transferred to the office of the Controller, where she served as Secretary to the Assistant Controller and later as Secretary to the Controller. In 1942 she was appointed Assistant Controller.

In May 1943, Miriam enlisted in the Marine Corps and served throughout World War II, attaining the rank of Captain. She returned to her position as Assistant Controller in 1947.

Miriam has the distinction of receiving the first 25 year service pin presented by the District. It was presented at the November Board meeting in view of her impending departure. Other employees

entitled to 25 year pins will receive them in the near future.



The musical Winn family is shown as they get together for an informal rehearsal prior to playing in a concert presented by the San Gabriel Valley Symphony Orchestra of which they are all members. Left to right are Mrs. Frances Winn, flutist; William Winn, first clarinet player; Robert Winn, first oboist; and Paul Winn, who also plays the oboe.

Musical Winns In Concert

Paul Winn, Senior Engineer, has one of the most musically talented families in Southern California. Paul, his wife, Frances, and their two sons, William and Robert, are all members of the San Gabriel Valley Symphony Orchestra.

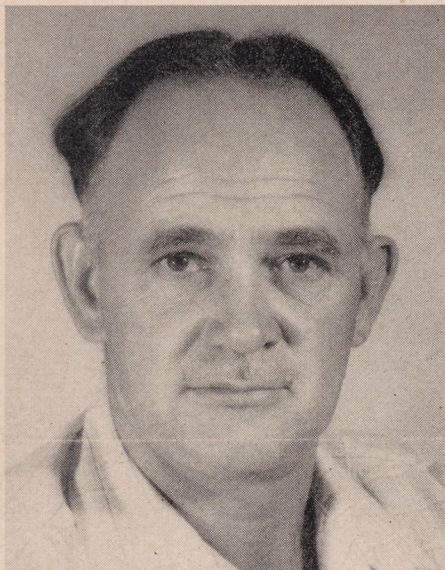
All four participated in a recent concert given by the orchestra in the Auditorium of the Monrovia-Duarte High School. Mrs. Winn is a flutist, Paul is an oboist, son Bob is first oboist and Bill plays first clarinet.

Bob, who is only 13 years old, was a featured soloist at the concert and received a huge round of applause for his rendition of Concerto in C for Oboe and Orchestra by Josef Haydn.

A review of the concert in the Monrovia Daily News-Post had this to say of Bob's solo:

"This was another of the master performances which contributed toward lifting this entire program to so high a musical peak. The oboe tone is of that quality generally known as 'pastoral,' and the three movements of this concerto must therefore necessarily be of that character. Young Winn produced a tone quality of appealingly lovely quality at all times, clear and precise, and his work revealed the high degree of musicianship which he has already attained."

NEWS FROM FIELD AND OFFICE



Thomas J. Walters—25 Years of Service

Thomas J. Walters joined the growing group of "aqueducters" with 25 years service on November 30. He first came to work for the District in January, 1930. He worked in various jobs as a Mechanic, Truck Driver, Junior Foreman and Welder. After a short layoff in 1939 he returned to the District, working in various locations. Since January, 1951 he has been employed as a Maintenance Mechanic in charge of the repair shop for all automotive equipment at Iron Mountain Headquarters.

* * *

Rufus Fee, Division Chairman of the Community Chest Campaign, reports that by the end of November approximately 75 percent of the District's quota had been reached. With approximately 40 percent of the employees yet to be solicited, Rufus expects the drive to go over the top.

* * *

Dan Gabele, System Operator, became a grandfather again on October 30 when a baby boy was born to Dan's son, David Lee Gabele, and his wife, Donna. The baby has been named Mark Wayne. David is a medical student at U.C.L.A.

* * *

Charles Thomas, who was with the District on aqueduct tunnel construction work, called recently at the District's Los Angeles office. He was accompanied by Mrs. Thomas. He has been with the Bureau of Reclamation since leaving the District, working at Parker Dam, Hoover Dam, Washington D.C., Mancos, Colorado and on the Columbia River basin project. He retired July 29 with a citation of award for meritorious service.

Old time "aqueducters," about this time of year, look way back to days when initial construction on the "Big Job" was in full swing.

Twenty-one years ago the November, 1934 issue of the Aqueduct News hailed the passing of the half-way mark on main line aqueduct tunnel excavation work. Here is the item:

"Colorado River Aqueduct tunnel crews last month completed the excavation of forty-five and one-half miles of bore, and passed the halfway mark on the largest tunnel driving program ever undertaken.

"Work on the ninety-one miles of aqueduct tunnel was launched in January, 1933, and has gone steadily forward since that date. All of the twenty-nine bores of project are sixteen feet in diameter.

"A total of 2,810,000 cubic yards of earth and rock has been excavated in the course of the tunnel driving accomplished to date. This quantity of material, if piled on Pershing Square, would cover the park to a depth of approximately 270 feet, or more than the combined heights of two limit-height office buildings.

"Aqueduct tunnel crews, reports show, have used approximately 8,000,000 pounds of explosives in moving that quantity of excavation.

"According to the compilations, aqueduct tunnel excavation to date has consumed approximately 30,000,000 board feet of lumber, and 7,400 tons of steel.

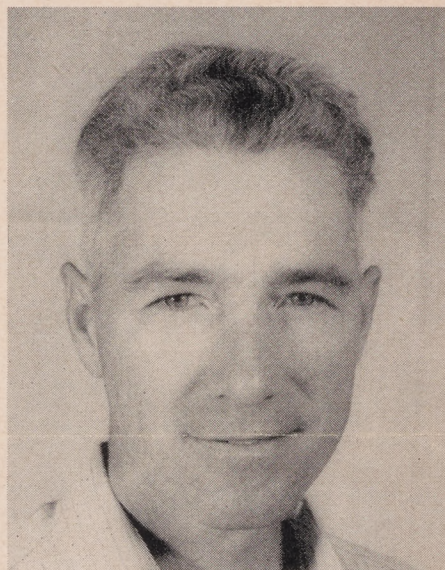
"With tunnel excavation at the half-way mark, Water District engineers are making ready for the launching of the next great construction program of the aqueduct—the building of the conduits, canals, and siphons which will link together the project's twenty-nine tunnels."

* * *

Gilbert G. Merriman, Junior Engineering Aide at Gene Camp, and his wife were presented with a baby girl on November 29, at Cottage Hospital in Pomona. The baby weighed 8 pounds, one ounce and has been named Marie Kay.

* * *

L. H. "Ike" Henderson dropped into the office on November 25 to say hello to old time "aqueducters." Ike worked for the District as a Geologist on tunnel construction. He started in October 1931 and left the District in July, 1939. He is now working with the International Boundary and Water Commission in El Paso, where he has been since July, 1948.



Robert E. Remy—20 Years of Service

Robert E. Remy became eligible for his 20 year service pin on November 25. He came to work for the District as a Chainman in November, 1935. He later worked as a Rodman, Inspector and Maintenance Mechanic. In February, 1948, he was an Assistant Engineer and in August, 1951 became Assistant Superintendent at the Softening Plant. In November, 1952 he was made an Associate Engineer on construction of the Garvey Reservoir. He returned to work at the Softening Plant in December, 1953, where he is Assistant Superintendent in charge of the operation of the Softening and Filtration Plant.

* * *

Owen Wilson, Senior Engineer, recently visited New York where he witnessed tests on 60 inch prestressed concrete embedded cylinder pipe.

Owen, who represented the District, was guest of the American Concrete Pressure Pipe Association. The tests were held at the Wharton, New Jersey Laboratory of the Lock Joint Pipe Company, and provided very interesting engineering data, according to Owen.

He left Los Angeles on September 26 and returned October 4. The tests were held on September 28, 29, and 30.

* * *

Laurene Convey, wife of Frank Convey, Utility Man at Iron Mountain Pumping Plant, has been appointed Postmaster at Rice, California.